

## ABSTRACT

Methods and apparatus for implementing peer-to-peer relay. In one implementation, a peer-to-peer relay network includes: a plurality of N peer systems; wherein each peer system in said peer-to-peer relay network is connected to a number of other peer systems in said peer-to-peer relay network that is less than or equal to a connection limit, said connection limit is greater than or equal to 2, said connection limit is less than or equal to N-2, each peer system in said peer-to-peer relay network is configured to relay data to peer systems connected to that peer system according to a set of one or more relay rules, each peer system is a participant or a spectator, at least one peer system is a participant, at least one peer system is a spectator, a participant is configured to generate data to be relayed in said peer-to-peer relay network, and a spectator is configured to relay data generated by a participant.